

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Canceled).

Claim 2 (Currently Amended) An information exchange method of exchanging information between a communication terminal having a short distance wireless communication device and a host having another short distance wireless communication device and an information acquisition device, the method comprising: The method according to claim 1,

acquiring identification information identifying the communication terminal by the information acquisition device;

controlling the short distance wireless communication device of the host to,

transmit a page message that contains the identification information and causes the communication terminal to operate in a hopping pattern determined by the host being a master device, and

transmit a request, following the page message, for establishing a short distance wireless communication link;

generating a connection between the host and the communication terminal over the short distance wireless communication link established in response to the request; and initiating an information exchange connection,

wherein said acquiring includes reading a bar code on said communication terminal, the bar code indicating said identification information.

Claim 3 (Original): The method according to claim 2, wherein
said bar code is printed or attached on the communication terminal.

Claim 4 (Original): The method according to claim 2, wherein
said bar code is electrically displayed on the communication terminal.

Claim 5 (Currently Amended): The method according to claim 2 [[1]], wherein
said acquiring includes receiving said identification information from said
communication terminal to said host via an IrDA communication.

Claim 6 (Currently Amended): The method according to claim 2 [[1]], wherein
said acquiring includes receiving said identification information transmitted from a
wireless-tag disposed in said communication terminal.

Claim 7 (Currently Amended): The method according to claim 2 [[1]], wherein
said acquiring includes:

detecting an image displayed on said communication terminal; and
processing the image thereby creating said identification information.

Claims 8-15 (Canceled).

Claim 16 (Currently Amended): A cash register apparatus configured to exchange
information with a communication terminal and provide predetermined services to users who
carry the communication terminal, the apparatus comprising: The apparatus according to
claim 15,

a register mechanism;

a bar code reader configured to read a bar code of a product;

a register controller configured to control the register mechanism to perform a register processing in respect to the bar code of the product;

a short distance wireless communication device;

an identification information acquisition device configured to acquire identification information identifying the communication terminal;

a communication controller configured to control the short distance wireless communication device to,

transmit a page message that contains the identification information and

causes the communication terminal to operate in a hopping pattern determined by the short distance wireless communication device being a master device, and

transmit a request, following the page message, for establishing a short distance wireless communication link;

an information exchange device configured to generate a connection between the short distance wireless communication device and the communication terminal over the short distance wireless communication link established in response to the request, and to initiate an information exchange using the connection, and

said register controller utilizing the exchanged information in said register processing and configured to provide said services,

wherein said identification information acquisition device includes another bar code reader for reading a bar code of the communication terminal.

Claim 17 (Currently Amended): A cash register apparatus configured to exchange information with a communication terminal and provide predetermined services to users who carry the communication terminal, the apparatus comprising: The apparatus according to claim 15;

a register mechanism;
a bar code reader configured to read a bar code of a product;
a register controller configured to control the register mechanism to perform a register processing in respect to the bar code of the product;
a short distance wireless communication device;
an identification information acquisition device configured to acquire identification information identifying the communication terminal;
a communication controller configured to control the short distance wireless communication device to,
transmit a page message that contains the identification information and
causes the communication terminal to operate in a hopping pattern determined by the short distance wireless communication device being a master device, and
transmit a request, following the page message, for establishing a short distance wireless communication link;
an information exchange device configured to generate a connection between the short distance wireless communication device and the communication terminal over the short distance wireless communication link established in response to the request, and to initiate an information exchange using the connection, and
said register controller utilizing the exchanged information in said register processing and configured to provide said services,

wherein said identification information acquisition device includes a wireless tag receiver for receiving a signal transmitted from a wireless tag of the communication terminal.

Claim 18 (Currently Amended): A cash register apparatus configured to exchange information with a communication terminal and provide predetermined services to users who

carry the communication terminal, the apparatus comprising: ~~The apparatus according to~~
claim 15,

a register mechanism;

a bar code reader configured to read a bar code of a product;

a register controller configured to control the register mechanism to perform a register
processing in respect to the bar code of the product; ✓

a short distance wireless communication device;

an identification information acquisition device configured to acquire identification
information identifying the communication terminal;

a communication controller configured to control the short distance wireless
communication device to,

transmit a page message that contains the identification information and
causes the communication terminal to operate in a hopping pattern determined by the
short distance wireless communication device being a master device, and

transmit a request, following the page message, for establishing a short
distance wireless communication link;

an information exchange device configured to generate a connection between the
short distance wireless communication device and the communication terminal over the short
distance wireless communication link established in response to the request, and to initiate an
information exchange using the connection, and

said register controller utilizing the exchanged information in said register processing
and configured to provide said services,

wherein said identification information acquisition device includes an infrared data
communication device for receiving a signal transmitted from the communication terminal.

Claim 19 (Currently Amended): A cash register apparatus configured to exchange information with a communication terminal and provide predetermined services to users who carry the communication terminal, the apparatus comprising: The apparatus according to claim 15;

a register mechanism;

a bar code reader configured to read a bar code of a product;

a register controller configured to control the register mechanism to perform a register processing in respect to the bar code of the product;

a short distance wireless communication device;

an identification information acquisition device configured to acquire identification information identifying the communication terminal;

a communication controller configured to control the short distance wireless communication device to,

transmit a page message that contains the identification information and

causes the communication terminal to operate in a hopping pattern determined by the

short distance wireless communication device being a master device, and

transmit a request, following the page message, for establishing a short distance wireless communication link;

an information exchange device configured to generate a connection between the short distance wireless communication device and the communication terminal over the short distance wireless communication link established in response to the request, and to initiate an information exchange using the connection, and

said register controller utilizing the exchanged information in said register processing and configured to provide said services,

wherein said identification information acquisition device includes an imaging device for capturing an image, and processing the image to recognize said identification information identifying the communication terminal.